

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P633934

Luminaire Tested: GWS-SA2F-760-U-T3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633934
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-23)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2F-760-U-T3-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16378.1 lumens
Efficiency: N/A
Efficacy: 131.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

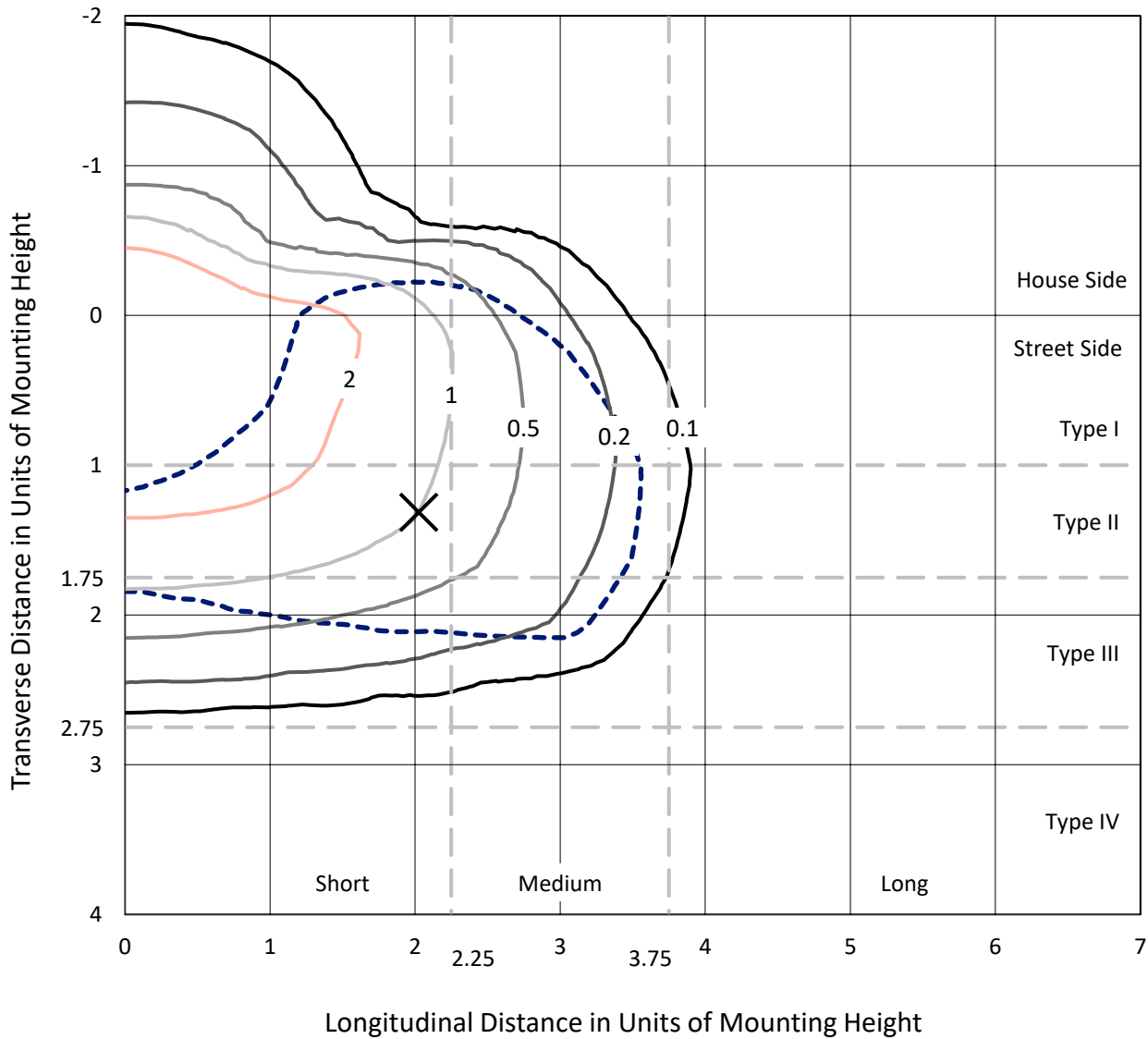
Input Watts (W): 124.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

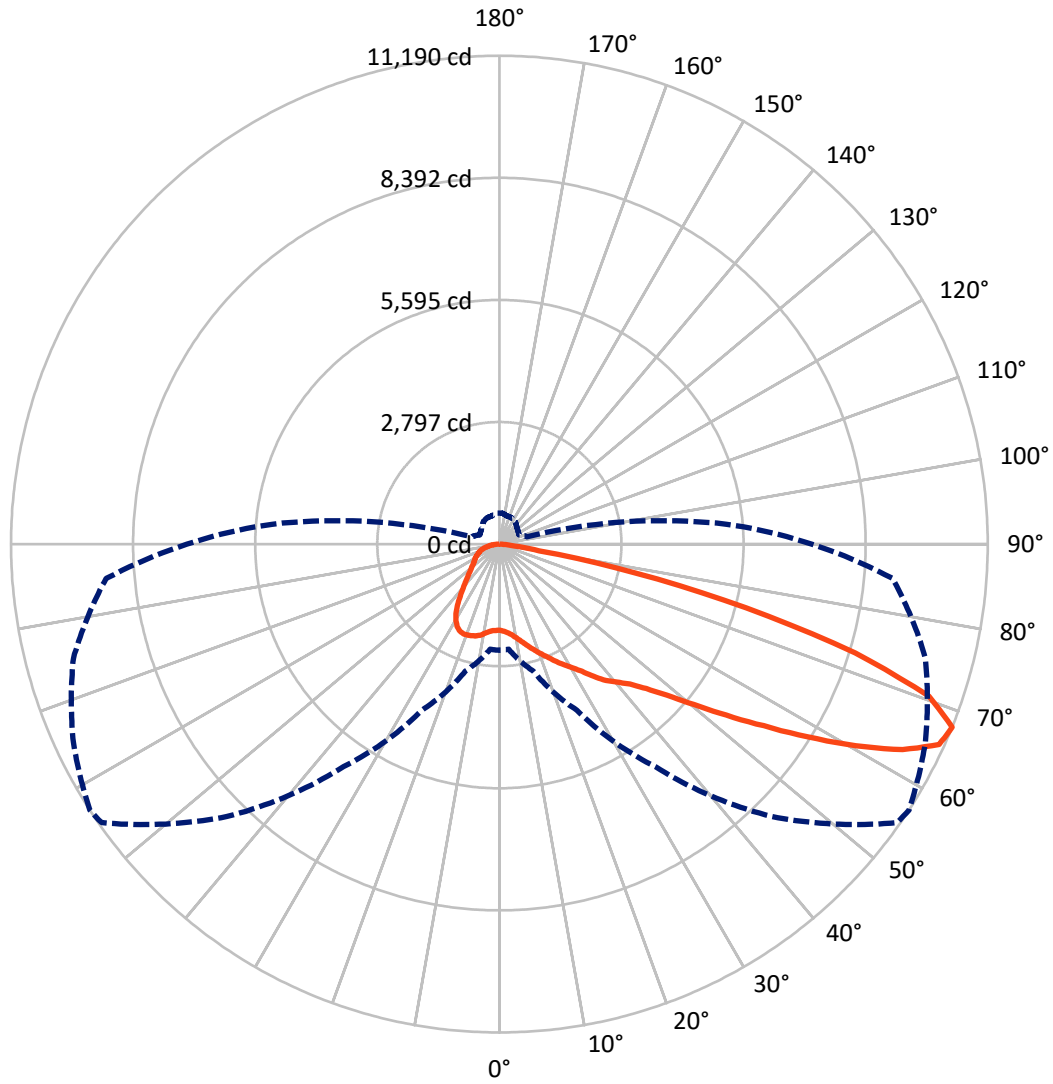
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.7 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3600.9	0.0	3600.9
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	12777.2	0.0	12777.2
	% Fixture	78.0	0.0	78.0
Total	Lumens	16378.1	0.0	16378.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	195.7	1.2
10°-20°	647.9	4.0
20°-30°	1155.2	7.1
30°-40°	1679.5	10.3
40°-50°	2430.8	14.8
50°-60°	3804.1	23.2
60°-70°	4437.7	27.1
70°-80°	1852.5	11.3
80°-90°	174.8	1.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	16378.1	100.0
0°-180°	16378.1	100.0

Coefficient of Utilization



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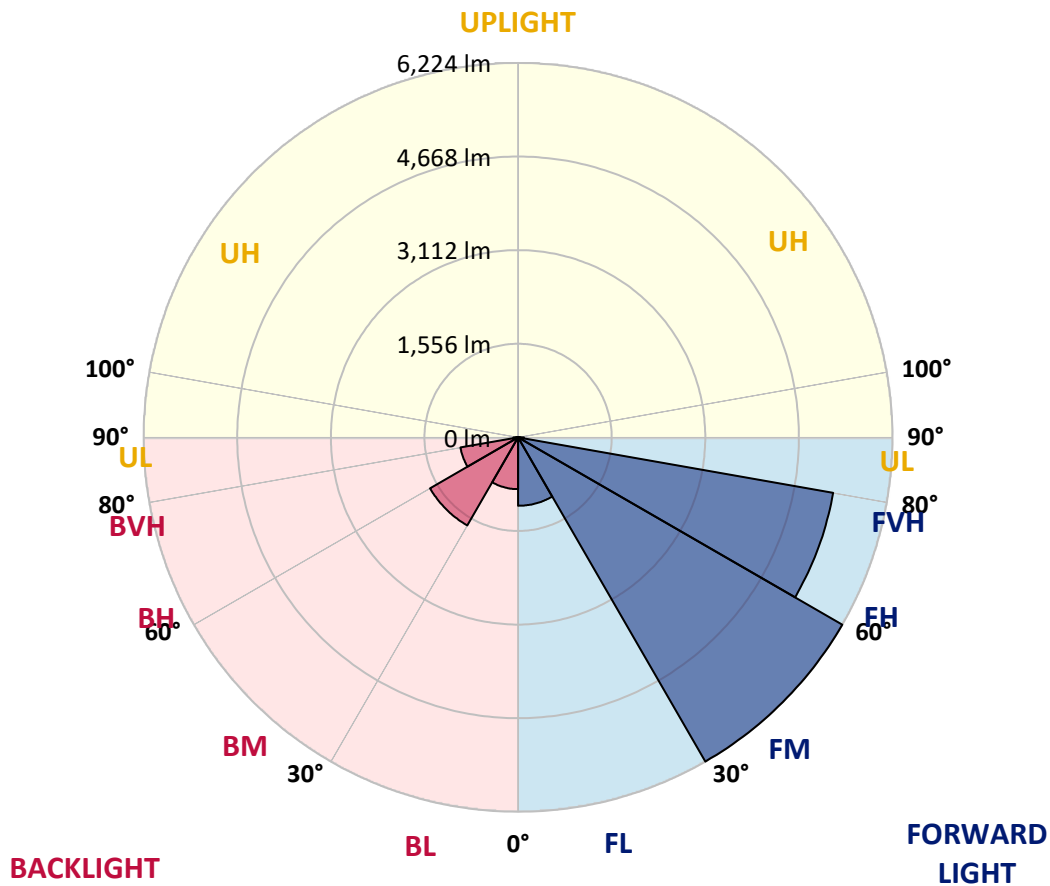
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1137.6	6.9			
FM (30°-60°)	6223.9	38.0			
FH (60°-80°)	5318.2	32.5			G3/7500
FVH (80°-90°)	97.4	0.6			G1/100
BL (0°-30°)	861.2	5.3	B2/1000		
BM (30°-60°)	1690.4	10.3	B2/2500		
BH (60°-80°)	971.9	5.9	B2/1000		G2/1000
BVH (80°-90°)	77.4	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	1973.4	1973.4	1973.4	1973.4	1973.4	1973.4	1973.4	1973.4	1973.4	1973.4	1973.4
2.5°	2001.6	1999.3	1998.1	2005.1	2002.8	2001.6	2001.6	2000.4	1998.1	1988.7	1975.8
5°	2056.8	2052.1	2047.4	2053.2	2048.5	2043.8	2042.7	2040.3	2032.1	2018.0	1998.1
7.5°	2114.2	2109.5	2110.7	2114.2	2110.7	2108.4	2104.9	2102.5	2089.6	2067.3	2040.3
10°	2195.2	2195.2	2197.5	2201.1	2202.2	2198.7	2191.7	2188.2	2172.9	2144.7	2107.2
12.5°	2312.5	2310.2	2310.2	2307.8	2311.4	2307.8	2300.8	2294.9	2276.2	2239.8	2185.8
15°	2467.4	2458.0	2449.8	2434.5	2429.9	2416.9	2419.3	2415.8	2398.2	2348.9	2280.8
17.5°	2632.8	2631.7	2618.8	2588.2	2557.7	2536.6	2541.3	2540.1	2530.8	2463.9	2377.1
20°	2778.3	2784.2	2772.5	2749.0	2707.9	2668.0	2665.7	2671.5	2659.8	2592.9	2472.1
22.5°	2941.4	2936.7	2925.0	2894.5	2864.0	2821.7	2807.6	2803.0	2798.3	2722.0	2569.5
25°	3096.3	3110.4	3095.1	3066.9	3020.0	2974.3	2962.5	2967.2	2954.3	2853.4	2673.9
27.5°	3292.2	3298.1	3288.7	3250.0	3210.1	3145.6	3123.3	3123.3	3118.6	2976.6	2756.0
30°	3501.1	3517.5	3501.1	3469.4	3428.3	3335.6	3287.5	3282.8	3268.7	3103.3	2852.2
32.5°	3711.1	3722.8	3711.1	3680.6	3633.6	3552.7	3483.5	3472.9	3454.1	3241.8	2950.8
35°	3897.6	3908.2	3905.8	3912.9	3874.2	3772.1	3729.8	3725.1	3675.9	3422.4	3084.5
37.5°	4101.8	4114.7	4097.1	4111.2	4095.9	3999.7	3986.8	3963.3	3892.9	3592.6	3225.3
40°	4334.1	4345.8	4317.7	4323.5	4305.9	4252.0	4186.2	4154.6	4050.1	3776.8	3447.1
42.5°	4582.8	4609.8	4622.7	4612.1	4571.1	4540.6	4425.6	4385.7	4298.9	4108.8	3812.0
45°	4943.0	4982.9	5001.7	4974.7	4957.1	4913.7	4772.9	4724.8	4679.0	4576.9	4321.2
47.5°	5331.4	5367.7	5427.6	5439.3	5453.4	5420.5	5222.2	5175.3	5183.5	5171.8	4947.7
50°	5641.1	5671.6	5806.5	5950.9	6070.5	6079.9	5826.5	5776.0	5820.6	5858.2	5702.1
52.5°	5866.4	5893.4	6071.7	6369.7	6640.7	6841.4	6568.0	6510.5	6546.9	6631.4	6559.8
55°	6049.4	6087.0	6273.5	6731.1	7279.0	7595.8	7421.0	7348.2	7333.0	7437.4	7478.5
57.5°	6145.6	6157.4	6419.0	7013.8	7747.1	8336.1	8412.4	8330.3	8184.8	8242.3	8455.8
60°	5926.2	5946.2	6304.0	7086.6	8116.7	9070.6	9453.1	9385.0	9075.3	9107.0	9342.8
62.5°	5319.6	5347.8	5778.4	6740.5	8147.2	9561.0	10414.0	10370.6	9955.2	9783.9	9854.3
65°	4267.2	4276.6	4722.4	5884.0	7540.6	9622.0	11083.9	11073.4	10570.0	10168.8	9867.2
67.5°	2433.4	2416.9	3013.0	4196.8	6223.1	8828.9	11127.3	11189.5	10769.5	10105.4	9046.0
70°	1054.8	1057.1	1331.7	2070.8	4027.9	7135.9	10335.4	10442.2	10192.2	9050.6	7196.9
72.5°	488.1	495.1	613.6	896.4	1720.0	4426.8	8427.6	8523.8	8309.1	7243.8	5236.3
75°	344.9	350.8	409.5	513.9	790.8	1724.7	5637.6	5839.4	5943.8	5418.2	3450.6
77.5°	261.6	269.9	299.2	356.7	488.1	611.3	2697.4	3178.4	3786.2	3370.8	1777.5
80°	166.6	166.6	198.3	238.2	298.0	318.0	779.1	923.4	1852.6	1389.2	698.1
82.5°	112.6	116.2	134.9	151.4	171.3	180.7	334.4	356.7	535.0	472.8	287.5
85°	59.8	62.2	70.4	69.2	82.1	71.6	140.8	139.6	195.9	214.7	109.1
87.5°	0.0	0.0	1.2	1.2	2.3	3.5	15.3	16.4	41.1	65.7	36.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1973.4	1973.4	1973.4	1973.4	1973.4	1973.4	1973.4	1973.4	1973.4	1973.4	1973.4
2.5°	1982.8	1968.8	1975.8	1973.4	1980.5	1980.5	1967.6	1964.1	1965.2	1951.2	1946.5
5°	2000.4	1984.0	1987.5	1982.8	1989.9	1995.7	1989.9	1989.9	1996.9	1986.4	1980.5
7.5°	2040.3	2021.6	2021.6	2015.7	2023.9	2028.6	2023.9	2030.9	2043.8	2033.3	2027.4
10°	2103.7	2081.4	2082.6	2075.5	2079.0	2076.7	2057.9	2052.1	2055.6	2046.2	2041.5
12.5°	2185.8	2155.3	2155.3	2141.2	2133.0	2108.4	2069.7	2055.6	2057.9	2049.7	2046.2
15°	2264.4	2236.3	2230.4	2202.2	2164.7	2118.9	2083.7	2074.4	2076.7	2068.5	2062.6
17.5°	2357.1	2320.7	2299.6	2248.0	2178.8	2131.8	2096.6	2074.4	2055.6	2036.8	2032.1
20°	2442.8	2397.0	2358.3	2278.5	2194.0	2129.5	2063.8	2008.6	1962.9	1938.3	1932.4
22.5°	2530.8	2472.1	2404.0	2299.6	2192.9	2087.3	1966.4	1883.1	1815.1	1778.7	1785.7
25°	2614.1	2540.1	2447.5	2319.6	2155.3	1993.4	1829.1	1704.8	1627.3	1599.2	1591.0
27.5°	2683.3	2591.8	2487.3	2310.2	2077.9	1858.5	1641.4	1503.0	1427.9	1396.2	1388.0
30°	2760.7	2657.5	2544.8	2266.8	1955.9	1669.6	1429.0	1316.4	1262.4	1231.9	1233.1
32.5°	2849.9	2741.9	2625.8	2183.5	1799.8	1465.4	1254.2	1176.8	1133.4	1102.9	1098.2
35°	2969.6	2862.8	2679.8	2057.9	1601.5	1277.7	1134.6	1071.2	1017.2	977.3	969.1
37.5°	3117.4	3044.7	2685.6	1890.1	1389.2	1148.6	1048.9	980.9	915.2	862.4	856.5
40°	3370.8	3287.5	2637.5	1680.1	1208.5	1065.3	977.3	898.7	822.5	763.8	755.6
42.5°	3732.2	3560.9	2534.3	1443.1	1072.4	999.6	909.3	809.6	732.1	691.1	685.2
45°	4192.1	3865.9	2379.4	1220.2	971.5	935.1	837.7	733.3	692.2	662.9	657.0
47.5°	4755.3	4221.4	2201.1	1046.6	892.9	876.4	765.0	707.5	671.1	646.5	640.6
50°	5428.7	4674.3	2054.4	910.5	822.5	808.4	741.5	692.2	662.9	643.0	638.3
52.5°	6197.2	5177.7	1982.8	813.1	761.5	747.4	733.3	688.7	664.1	648.8	643.0
55°	6995.1	5708.0	1916.0	738.0	709.8	718.0	734.5	700.4	681.7	661.7	655.9
57.5°	7765.9	6205.5	1751.7	679.3	672.3	704.0	740.3	712.2	689.9	669.9	662.9
60°	8297.4	6477.7	1473.6	632.4	644.1	686.4	725.1	694.6	666.4	658.2	654.7
62.5°	8440.5	6444.8	1143.9	584.3	610.1	647.6	685.2	665.2	635.9	648.8	650.0
65°	8106.2	6092.8	858.8	537.4	565.5	597.2	644.1	635.9	625.4	660.6	661.7
67.5°	7159.3	5228.1	654.7	496.3	519.8	558.5	631.2	665.2	667.6	712.2	707.5
70°	5417.0	3905.8	512.7	457.6	484.6	558.5	672.3	687.5	659.4	700.4	691.1
72.5°	3745.1	2577.7	436.5	423.6	441.2	532.7	671.1	671.1	640.6	640.6	623.0
75°	2326.6	1515.9	380.1	380.1	380.1	465.8	652.3	618.3	564.3	539.7	525.6
77.5°	1148.6	736.8	319.1	330.9	318.0	389.5	532.7	505.7	472.8	447.0	437.6
80°	490.4	368.4	258.1	271.0	255.8	293.3	422.4	416.5	384.8	350.8	340.2
82.5°	225.3	190.1	206.5	212.4	186.6	220.6	308.6	308.6	291.0	244.0	226.4
85°	96.2	100.9	143.1	143.1	117.3	124.4	165.4	157.2	140.8	115.0	105.6
87.5°	32.9	49.3	72.7	63.4	24.6	10.6	5.9	2.3	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)